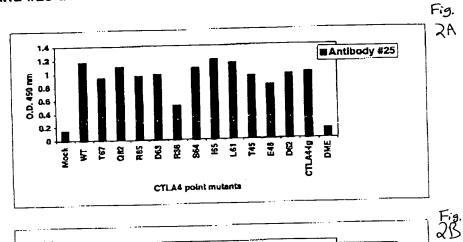
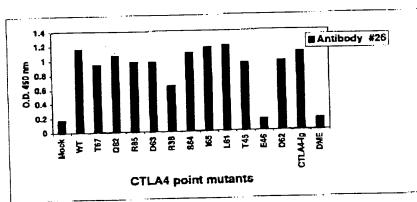


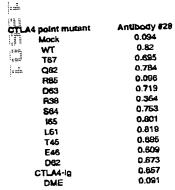
Anti-CTLA4 Abs #25, #26, and #29 defined three distinct epitopes on CTLA4

	Antibody 525
CTLA4 point mutant	-
Mock	0.165
WT	1.17
T 67	0.93 5
Q62	1.1
R86	0.96
D63	0.986
R36	0.52
S64	1.07
165	1.19
LB1	1,14
T45	0.948
E46	0.811
D62	0.98 5
CTLA4-la	0.996
DME	0.14



CTLA4 point mutant	Antibody #26
Mock	0.174
wT	1.16
12.5	0.944
O82	1.07
R85	0.976
4.3 D63	0.979
R38	0.836
14 S64	1.3
185	1.17
161	1.19
T45	0.948
	0.18
E48 D62	0.974
E CTLA4-IQ	1.1
DME	0.163
- -	





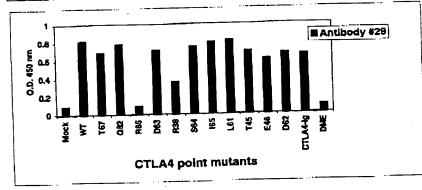
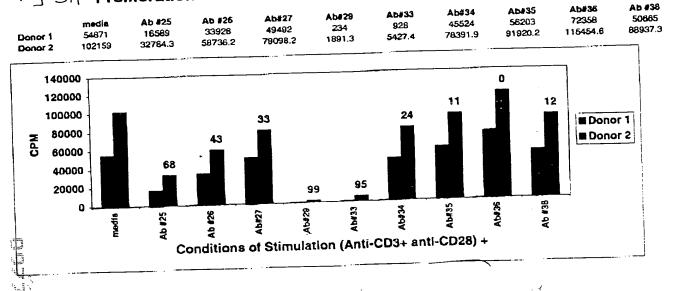


Fig. QC

Fig 3A Proliferation



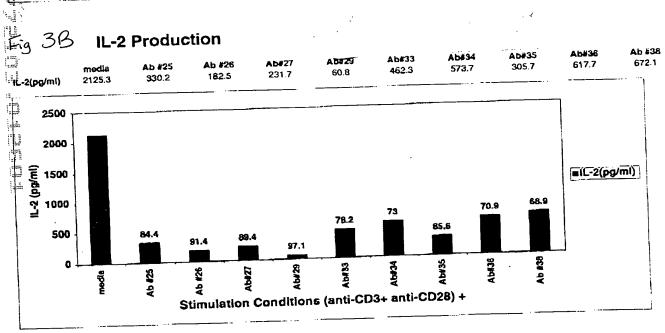
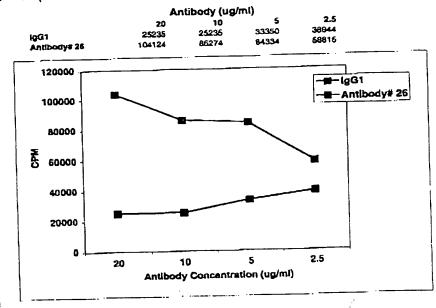
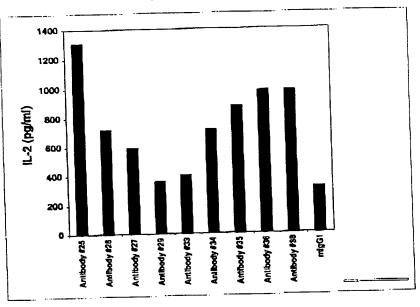


Fig. 4A Prollferation



48 **IL-2 Production** IL-2 (pg/ml) 1310 720 Antibody #25 Antibody #26 594 Antibody #27 Antibody #27
Antibody #39
Antibody #34
Antibody #35
Antibody #36
Antibody #38 358 400 715 875 982 982 917

migG1



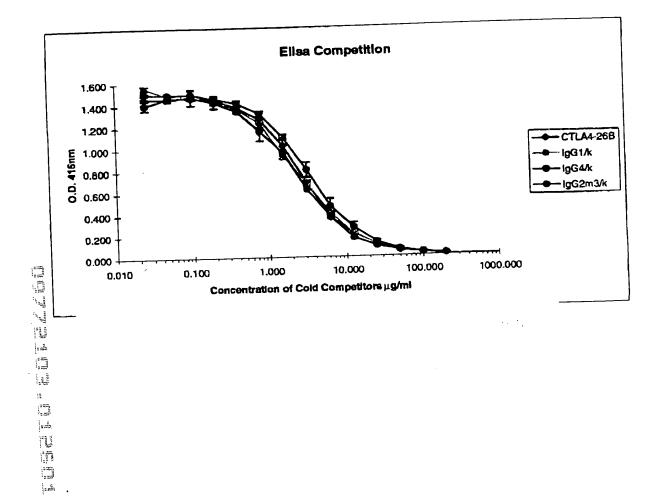
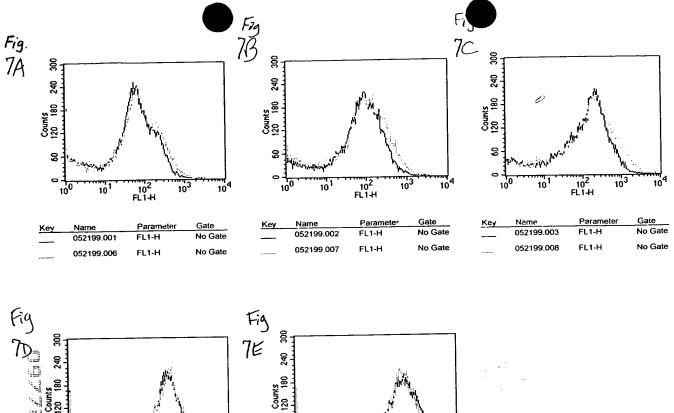


Figure 5

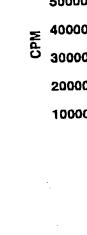
FACS Competition Using FITC-Labeled CTLA4-26B with Cold CTLA4-26B and Humanized IgG1/K

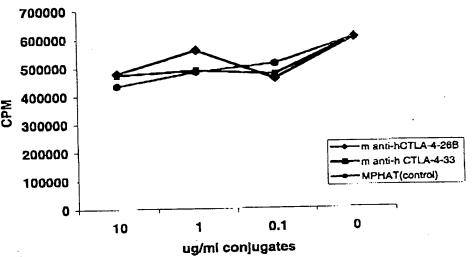
	Nai	me	Cell Li	ne	Primary Ab				Competitor							
			CHO.C	ΓLA4	F	TITC-CTLA	4-26B		Co	old CTLA4-	26B					
	052	2199.001	1			125 ng				2000 ng						
		2199.002								1000 ng						
	052	2199.003	ŀ							500 ng						
		2199.004	İ							250 ng						
		2199.005								100 ng						
										IgG1/κ						
	052	2199.006								2000 ng						
		2199.007								1000 ng						
		2199.008	-							500 ng						
		2199.009	1							250 ng						
		2199.010								100 ng						
		2199.016				\forall				none						
		2199.017	Ψ	,		none				none						
		2199.018	сно	.B7.1		125 ng				none						
		2199.019	V	/		none				none						
Fig. 1. The state of the state	Counts 0 60 120 180 240 300	101	10 ² 10 ³ FL1+H	Fig 6B	Counts 0 60 120 180 240 300	0 101	10 ² 10 ³ FL1-H	Fig 6C	Counts 0 60 120 180 240 300	0 101	10 ² 10 ¹ FL1-H	3 104				
i gazii Luzza					W- :	A 1	Parameter	Gate	Kov	Name	Parameter	Gate				
•	rey I	Name 052199.016	Parameter FL1-H	Gate No Gate	Key	Name 052199.016	FL1-H	No Gate	Key	052199.016	FL1-H	No Gate				
	_					052199.017	FL1-H	No Gate		052199.017	FL1-H	No Gate				
		52199.017	FL1-H	No Gate			FL1-H	No Gate		052199.018	FL1-H	No Gate				
	0	52199.001	FL1-H	No Gate		052199.006						No Gate				
	0	052199.002	FL1-H	No Gate		052199.007	FL1-H	No Gate		052199.019	FL1-H	NO Gale				
	0	052199.003	FL1-H	No Gate		052199.008	FL1-H	No Gate								
	(052199.004	FL1-H	No Gate		052199.009	FL1-H	No Gate								
		052199.005	FL1-H	No Gate		052199.010	FL1-H	No Gate								
		,,	. =		******											



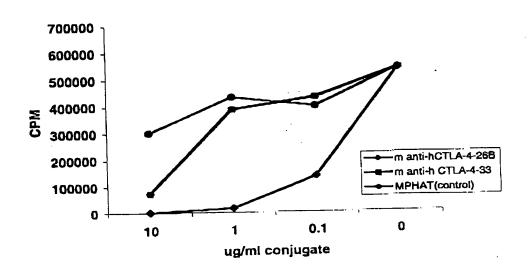
Counts 0 60 120 180 240 300 8 10 10³ 103 104 101 10² FL1-H Key Gate Parameter FL1-H Parameter Gate Name Name 052199.004 052199.005 No Gate FL1-H No Gate No Gate No Gate 052199.010 FL14H 052199.009 FL1-H

Figure 7





Jurkat CTLA-4 POSITIVE cell line



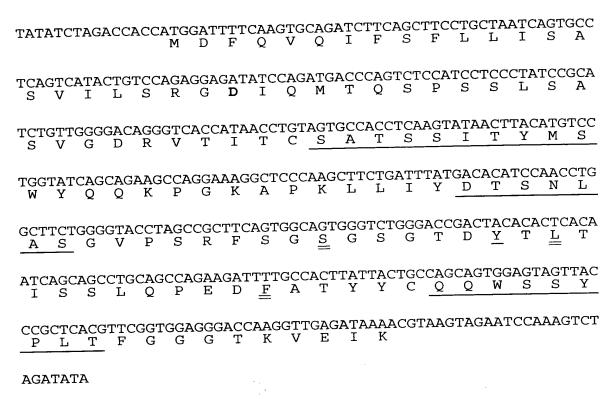


Figure 9

HuCTLA4-VH

Figure 10

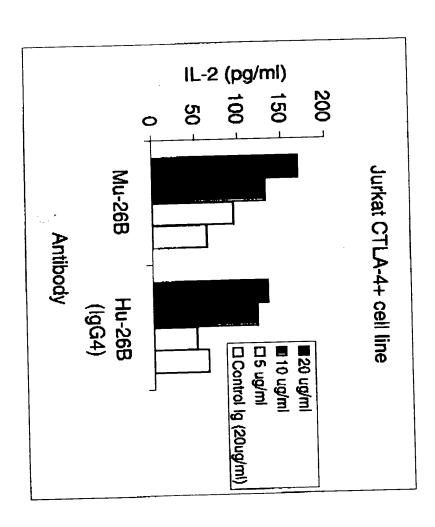


Figure 11